Project: BASF Facility Cranston, RI Date (9/5)	DAILY SAFE WORK FORM	SES (Page 6 of 6)

☒	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☒	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☒	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☒	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☒	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☒	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☒	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/5	Kevin Sweeney	SES	0600	1504
9/5	John Szepiela	SES	0630	300
9/5	Dennis Bergen	SES	0630	300
9/5	Mike Szpila	SES	0630	300
9/5	Rick Kowalski	AEI	0630	1510
9/5	Robert Medeiros	AEI	0630	16:10
9/6/18	Brian Roz	SBS	6:30	15:00
9/5/18	Joseph Dreben	AEI	6:30	16:10
9/5/18	Charles McCarthy IV	SES	7:15	15:00
9/5/18	RYAN DOUGHERTY	SES	0645	16:45

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/6/2018

AEI Consultants

Weather: Cloudy

Daily Precipitation: 0.33"

Temp: 92-66 (Hi - low)

PERSONNEL/EQUIPMENT					
Contractor	No.			Owner/Representative: N/A	
	___	Superintendent			
	1	Foremen	SES		
	___	H&S/QA Officer	SES	AEI Personnel: Aaron Ting	1
	4	Operators	SES	Joe Drebaum	1
	1	Laborers	SES	Robert Medaglio	1
	___	Other Trades (Surveyor)		Evan Harring	1
SubContractor	No.	Company/Firm		Visitors On Site: N/A	
	___				
	___				
	___				
	10	Total Personnel On Site			

MAJOR EQUIPMENT:	EQUIPMENT/MATERIALS RECEIVED:
2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators	United Rental 5 cy dump truck decon/demobed
CAT 996H Loader, 20-yard metal recycling container,	2- 100 cy railcars
20-cy dump trailer	
2-trash/recycling bins, 2-100 yd rail cars	
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator	

WORK COMPLETED:

SES removed soils at the following stake locations:
- 436 thru 440 (Type 1C; 6' depth);
-469 thru 476 (Type 2C; 5/6' depths).

SES using water to control fugitive dust emissions.

Approximately, 92 cy of Type 1C soils and 33 cy of Type 2C were excavated and transported to either 2682 for temporary stockpiling and future rail transport or to the temporary stockpile area on Lot 1102. Both stockpile areas are underlain by 20-mil HDPE and surrounded by haybales. The Type 2C soils excavated were odorous, so SES continued to stockpile these soils separately.

Workzone monitoring for VOCs (via PID) and dust (PDR-1000) was conducted during Type 2C excavation. No exceedances of the permissible limits were observed during this work.

SES continued to assist AEI with sample collection from deep excavations with excavator.

AEI set up and calibrated perimeter dust monitors. One dust alert was noted at the southeast side of the site. SES used water to control dust and no other dust alerts were noted. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

Two railcars PW-20018 (~90 tons) and PW-30034 (~90 tons) were transported off-site by Providence and Worcester Railroad under Uniform Hazardous Waste Manifests.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/6/18 THURSDAY

Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST.
CRANSTON, RI

Contact: AARON (AEI)

PROJECTS NOTES

HELD H+S MEETING / REVIEWED SOW W/ AEI / CONT. W/ DEDICATED [illegible] / EXCAVATOR SUPPORT TO AEI FOR DEEP EXCAVATION SAMPLING / BUILT OUT CONTAINMENT AREA FOR 1C SOILS / BEGIN EXCAVATING + TRANSPORTING ON SITE 1C SOIL IN ROCK TRUCK / RETURNED TO 2C SOIL EXC. IN 5 + 6 EXCAVATIONS / [illegible] SOILS FROM [illegible] IN LOT 2682 / P+W RAIL PICKED UP RAIL CARS PWRX [illegible] + PW 3[illegible] FOR DISPOSAL / DROPPED OFF RAIL CARS PW3[illegible] + PW3[illegible] FOR LOADING / BEGIN HAMMER EXC. IN 1C SOIL AREA

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
R. DOUGHERTY	SUP		0630	1600	
K. SWEENEY	OP		|	1500	
D. BERGERON	OP/DR		|	1500	
J. SZPILA	OP		|	1500	
B. ROE	OP		|	1500	
C. McCARTHY	FT		|	1500	

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C (D) + MOD.
2	SERVICE VEH.
1	SITE TRAILER/RESTROOM/SINK
1	GENERATOR
1	CONNEX BOX
3	EXCAVATORS (321C / 322L HAM / 320E)
1	SKID STEER (289D)
1	LOADER (966H)
1	R/OFF TRUCK
2	R/OFF CANS (METAL 401NER / SOIL 2[illegible] 7R4F)
1	ROCK TRUCK (CAT 725)
2 ROLL	20 MIL POLY
6 EA.	HYDRATION
2 ROLL	6 MIL POLY SHEETING

SUBCONTRACTORS

* [illegible] RENTAL [illegible] TRUCK OFF SITE

WEATHER OBSERVATIONS

Project Manager's Signature: ____________________

Client's Signature: ____________________

Project: BASF Facility Cranston, RI Date (9/6/18)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page 1 of 6)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9/6/18 0630		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: RYAN DOUGHERTY	
Contact phone # 508 579-2565	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/6/18	Kevin Sweeney	SES	
9/6/18	RYAN DOUGHERTY	SES	RD
9/6/18	Dennis Sergeon	SES	
9/6/18	Aaron Jing	AEI	ACT
9/6/18	Evan Harring	AEI	EAH
9/6/18	Joseph Buckmann	AEI	
9/6/18	Robert Medeiros	AEI	
9/6/18	John Sepielo	SES	JS
9/6/18	Charles McCarthy IV	SES	CM
9/6/18	Brian Roy	SES	

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (9/6)	DAILY SAFE WORK FORM	SES (Page 2 of 6)

Project: BASF Facility Cranston, RI Date (9/6)	DAILY SAFE WORK FORM	SES (Page 3 of 6)

Type of Equipment/Vehicles/Motorized Equipment			
☒	Field Service Trailer	☒	Roll-off Tractor Truck
☒	Excavators	☒	Roll-off containers
☒	Loader	☒	~~Dump Truck/Triaxle~~ ROCK TRUCK
☐	Track Dozer	☐	Dump Trailers
☒	Skid Steer Loader	☒	Pickup Utility Trucks
☒	Frac Tank	☒	Sump Pump
☒	Generator	☐	Trench Box
☒	Water Buffalo/ TOTE	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/6)	DAILY SAFE WORK FORM	SES (Page 4 of 6)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/6)	DAILY SAFE WORK FORM	SES (Page 5 of 6)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 9/6/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☒	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☒	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☒	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☒	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☒	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☒	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☒	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☒	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☒	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☒	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☒	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☒	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☒	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page 6 of 6)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☒	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☒	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☒	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☒	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☒	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/6/18	Kevin Sweeney	SES	0630	1530
9/6/18	RYAN DOUGHERTY	SES	0630	1545
9/6/18	Dennis Bergeron	SES	0630	1530
9/6/18	Aaron Ting	AEI	0630	1600
9/6/18	Evan Harring	AEI	0630	1530
9/6/18	Joseph Drebagan	AEI	06:30	1535
9/6/18	Robert Medeiros	AEI	06:30	1535
9/6/18	John Sepilla	SES	0630	15:30
9/6/18	Brian Rice	SES	06:30	15:30
9/6/18	Charles McCarthy III	SES	06:25	15:30

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/7/2018

AEI Consultants

Weather: Cloudy, slight rain in afternoon

Daily Precipitation: <0.25"

Temp: 77-63 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	2	Superintendent	SES
	1	Foremen	SES
		H&S/QA Officer	
	4	Operators	SES
	3	Laborers	SES
		Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	1	Diprete (surveyor)
	16	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel:	
Aaron Ting	1
Joe Drebaum	1
Robert Medaglio	1
Evan Herring	1
Rick Kowalski	1

Visitors On Site: N/A

MAJOR EQUIPMENT:

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

SES removed soils at the following stake locations:
- 436 - 451 (Type 1C; 6' depth); encountered numerous concrete structures, i.e., foundation walls and slabs;
- 470-473, 477 (Type 2C; 5/6' depths).

SES using water to control fugitive dust emissions.

Approximately, 77 cy of Type 1C soils and 11.6 cy of Type 2C soils were excavated and transported to either 2682 for temporary stockpiling and future rail transport or to the temporary stockpile area on Lot 1102. Both stockpile areas are underlain by 20-mil HDPE and surrounded by haybales. The Type 2C soils excavated were odorous, so SES continued to stockpile these soils separately.

Workzone monitoring for VOCs (via PID) and dust (PDR-1000) was conducted during Type 2C excavation. No exceedances of the permissible limits were observed during this work.

SES continued to assist AEI with sample collection from deep excavations with excavator. AEI conducted a post-storm event (9/6), soil erosion and sediment control plan inspection. No issues noted.

AEI set up and calibrated perimeter dust monitors. No dust alerts were noted . SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

NBW ACT 9/7/18 CL

Two railcars PW-30008 (~90 tons) and PW-30009 (~90 tons) were loaded with Type 2B soils for transportation by P&W railroad to WM Emelle under Uniform Hazardous Waste Manifests. Cars were lined prior to loading soils.

SES collected two samples of coating from concrete at Type 1C excavation for PACM.

AEI/SES conducted weekly project progress meeting. AEI to issue meeting minutes next week.

Diprete onsite to survey excavations and other site features.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP.

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
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Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/7/18 FRIDAY

Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST. CRANSTON, RI

Contact: AARON (AEI)

PROJECTS NOTES

HELD HTS MEETING/REVIEWED SOW W/AEI/CONT. SOIL EXCAVATION OF 2C SOIL @ 5'+6' DEPTH TO COMPLETION/SUPPORTED AEI W/SAMPLING THOSE 2C EXCAVATIONS (AFTE SES DECONNED BUCKET) AEI NEEDS TO FINISH SAMPLING ON 2C EXC. ON MONDAY/CONT. EXC. + STOCKPILING OF 1C SOILS IN LOT 1102/HEAVY DEBRIS ENCOUNTERED W/ RETAINING WALLS AND PINS/LOADED OUT RAILCARS PW 30008 + PW 30009/LINED CARS/CONSOLIDATED POSSIBLE RCRA/TSCA SOILS IN SEPERATE PILE LOT 2682/COVERED STOCK PILES SENT OUT SAMPLES FOR POSSIBLE ACM

* HELD WEEKLY PROGRESS MEETING; RD, PS, BM

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
R. DOUGHERTY	SUP		0630	1630	
M. JAMROS	FT			1530	
J. SZPILA	OP			1530	
A. HAYES	FT			1530	
K. SWEENEY	OP			1530	
C. MCCARTHY	FT	0630	0800	1200	1600
S. LAJOIE	DR		1000	1515	
T. DYKSTRA	OP		1000	1530	

SUBCONTRACTORS

HILLVIEW - REPAIRED SKID STEER. (NEWTRACKS)

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C (D)-MOD.
2	SERVICE VEH.
1	SITE TRAILER/RESTROOM/SINK
1	GIENERATOR
1	CONNEX BOX
3	EXCAVATORS (321C/HAM 332L/320E)
1	SKID STEER (289D)
1	LOADER (966H)
1	R/OFF TRUCK
2	R/OFF CANS (METAL 409NER/SCHL 280637 R4R)
1	ROCK TRUCK (CAT 725)
2 ROLL	6MIL POLY SHEETING
8 EA	HYDRATION
1	100X100 TARP (BLUE) IC SOIL PILE
2	RAILCAR LINERS

WEATHER OBSERVATIONS

RAIN - ON/OFF 70°s

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (9/7)	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page 1 of 6)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9/7/18 0630		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: RYAN DOUGHERTY	
Contact phone # 508-579-2565	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/7	RYAN DOUGHERTY	SES	RD
9/7	Mike James	SES	
9/7	Joseph Drebaum	AEI	
9/7	Matt Medeiros	AEI	
9/7	John Sepik	SES	JS
9/7	Andrew Hakes	SES	AH
9/7/18	Kevin Sweeney	SGS	KS
9/7/18	Charles McCarthy IV	SES	CM
9/7/18	Aaron Tims	AEI	ACT
9/7/18	Evan Harring	AEI	EAH
9/7/18	Eric Tammelleo	Diprete	ET
9/7/18	Paul Saccenta	SES	PS
9/7/18	Bob Mandeberg	SES	BM
9/7/18	Matt Konradsen	AEI	
09/07/18	Tom Dykstra	SES	T.D.
09/07/18	[illegible]	SES	SA

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
Ben Goldstein	Hill View Equipment	9/7/18	
John Ross	Hill View Equipment	9/7/18	

Project: BASF Facility Cranston, RI Date (9/7)	DAILY SAFE WORK FORM	SES (Page 2 of 6)

Project: BASF Facility Cranston, RI Date (9/7)	DAILY SAFE WORK FORM	SES (Page 3 of 6)

Type of Equipment/Vehicles/Motorized Equipment			
☒	Field Service Trailer	☒	Roll-off Tractor Truck
☒	Excavators	☒	Roll-off containers
☒	Loader	☒	Dump Truck/Triaxle – ROCK TRUCK
☐	Track Dozer	☐	Dump Trailers
☒	Skid Steer Loader	☒	Pickup Utility Trucks
☒	Frac Tank	☒	Sump Pump
☒	Generator	☐	Trench Box
☒	Water Buffalo/TOTE	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/7)	DAILY SAFE WORK FORM	SES (Page 4 of 6)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/7)	DAILY SAFE WORK FORM	SES (Page 5 of 6)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 9/6/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☒	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☒	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☒	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☒	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☒	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☒	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☒	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☒	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☒	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☒	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☒	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☒	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☒	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☒	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9/7)	DAILY SAFE WORK FORM	SES (Page 6 of 6)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☒	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☒	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☒	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☒	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☒	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☒	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

SESC Plan Inspection Report

Project Information

Name	[redacted] Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plat 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name: Joseph Guarnaccia	Phone: 973-245-5269	Email: joseph.guarnaccia@basf.com
Site Operator	Name: Ryan Dougherty	Phone:	Email: rdougherty@strategic.com

Inspection Information

Inspector Name	Name: Aaron C. Ting	Phone: 978-577-7138	Email: ating@aeiconsultants.com
Inspection Date	9/7/18	Start/End Time	0800-0830

Inspection Type
☐ Weekly ☐ Pre-storm event ☐ During storm event ☒ Post-storm event ☐ Other

Weather Information

Last Rain Event
Date: 9/6/18 Duration (hrs): ~1.9 Approximate Rainfall (in): 0.33"

Rain Gauge Location & Source:
onsite weather station (Davis Vantage Pro)

Weather at time of this inspection:
Cloudy, 66°F

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Aaron C. Ting		9/7/18

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	BRIAN RYE		9/7/18

PROJECT: Cranston, RI **INSPECTION DATE:** 9/7/18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; If 'Yes', please detail action required)
1	Construction site exit includ decon. pad	RIDOT Std Specs. RI Soil Erosion and Sed. Control book	☒Yes ☐No	See photos	
2	Project-wide including material stockpiles	Perimeter - compost filter socks (RIDOT 9.2.0 Stockpiles_bal/bales RIDOT Std Spec - 204, 212	☒Yes ☐No		
3	Project-wide including material stockpiles	RI SESC Handbook Water for dust control / cover Stockpiles RIDOT Std spec RI SESC Handbook	☒Yes ☐No		
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	☒Yes ☐No		
5	Project-wide	Pickup construction trash/debris	☒Yes ☐No		
6	Project-wide	Spill prevention / Spill containment measures	☒Yes ☐No		
7			☐Yes ☐No		
8			☐Yes ☐No		

PROJECT: Cranston, RI **INSPECTION DATE:** 9/7/18

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☑Yes ☐No ☐ N/A	see photo log	
2	Are appropriate limits of disturbance (LOD) established?	☑Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☒ N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☒ N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☒ N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☒ N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☒ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☒ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☒ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☒ N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☒ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☒ N/A		

PROJECT: Cranston, RI **INSPECTION DATE:** 9/7/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	☐Yes ☐No ☒N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	☐Yes ☐No ☒N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	☐Yes ☐No ☒N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☒Yes ☐No ☐N/A	see photolog	
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☒Yes ☐No ☐N/A	↓	
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	☐Yes ☐No ☒N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☐No ☒N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐No ☒N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	☐Yes ☐No ☒N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	☐Yes ☐No ☒N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	☐Yes ☐No ☒N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☒Yes ☐No ☐N/A	see photolog	

PROJECT: Cranston, RI **INSPECTION DATE:** 9/7/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	☐Yes ☐No ☒N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	☐Yes ☐No ☒N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☒Yes ☐No ☐ N/A		
e	Soaps or solvents used in vehicle and equipment washing.	☒Yes ☐No ☐ N/A		
f	Toxic or hazardous substances from a spill or other release.	☒Yes ☐No ☐ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☒Yes ☐No ☐ N/A	see photolog	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	☐Yes ☐No ☒ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☒Yes ☐No ☐ N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☒Yes ☐No ☐ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☒Yes ☐No ☐ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☒Yes ☐No ☐ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☒Yes ☐No ☐ N/A	see photolog	
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☒Yes ☐No ☐ N/A	↓	
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☒Yes ☐No ☐ N/A		

PROJECT: Cranston, RI **INSPECTION DATE:** 9/7/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☒Yes ☐No ☐ N/A	See photos ↓	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☒Yes ☐No ☐ N/A		
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☐Yes ☐No ☒ N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☒Yes ☐No ☐ N/A		
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☐Yes ☐No ☒ N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☒Yes ☐No ☐ N/A		
	(Other)			

(add rows as necessary)

General Field Comments:

Photos:

Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 1102

Photo #: 2	Station: North Site
	Description: Temporary stockpiles, covered with poly/tarp and surrounded by haybales.

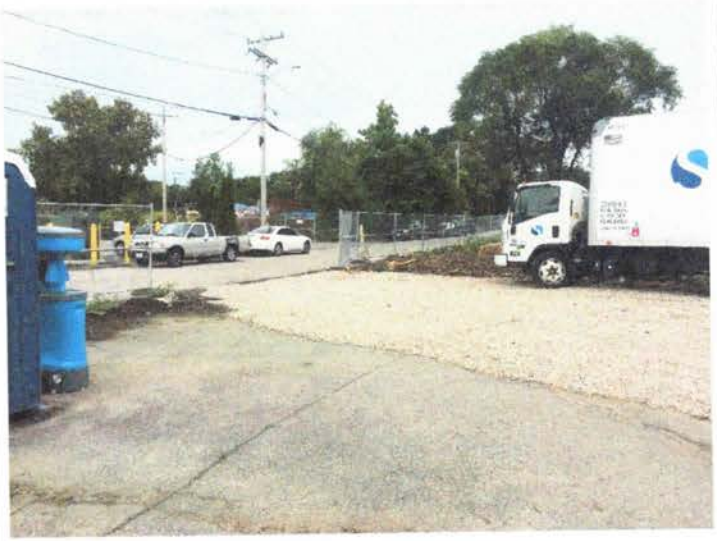
Photo #: 3	Station: North Site
	Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.

Photo #: 4	Station: North Site
	Description: CFS staked on northern property boundary.

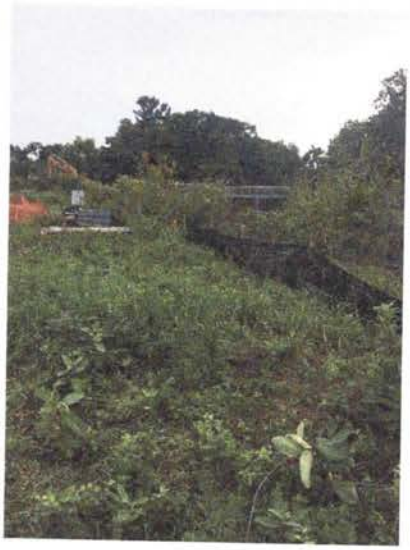
Photo #: 5	Station: South Site
	Description: Staked silt fence on south east side of Site.

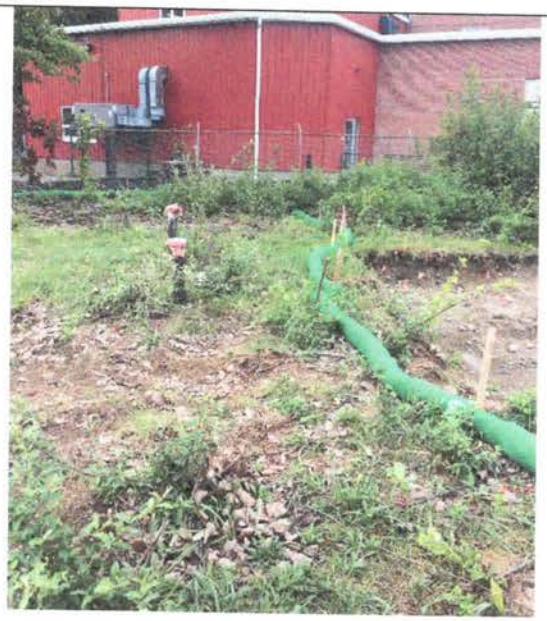
Photo #: 6	Station: South Site
	Description: CFS located on south side of Site.

Photo #: 7	Station: South Site
	Description: Fractionation tanks to be used to manage groundwater in excavations.

BASF
180 Mill Street, Lot 1102
Cranston, RI

9/7/18 Scott Lajoie SES 1000 1515

Date	Name	Company Name	Time In	Time out
9/7/18	RYAN DOUGHERTY	SES	0630	1630
9/7/18	Mike Jimras	SES	0630	1530
9/7/18	Joseph Prchaum	AEI	06:30	15:30
9/7/18	Robert Medaglia	AEI	06:30	15:30
9/7/18	John Szpila	SES	0630	1530
9/7/18	Andrew Hayes	SES	0630	1530
9/7/18	Kevin Sweeney	SES	0630	1530
9/7/18	Charles McCarthy	SES	0632	1530
9/7/18	Aaron Ting	AEI	0630	1600
9/7/18	Evan Harring	AEI	0630	1530
9/7/18	Paul Sweeney	SES	0800	1030
9/7/18	Bob Meldrum	SES	0800	1030
9/7/18	Earle Tammaro	Director	0700	0900
9/7/18	Rick Kowalski	AEI	0805	1145
09/07/18	Tom Ryan	SES	1000	1515

Excavated Materials Management Sheet

Excavation Date:	Source Location (station, offset, etc.) Cross-Ref w/ Map:	Excavation Volume	Soil Stockpile Designation	Reuse on/off-site or Off-site	Disposal Facility	Re-Use Date
9/4	CELL [redacted] 413, 416, 406, 418 20X20X7 (2C)	36YDS. 48.35TON	LOT 2682 STOCKPILE			
9/4	CELL 470-474 SEPERATED TOLUENE 20X20X5-6 (2C)	57YDS. 77TON	LOT 2682 STOCKPILE *SEPERATED POSSIBLE RCRA S&L			
9/5	RAILCAR PW20018	87.75 TON				
9/5	RAILCAR PW30034	88.85 TON				
9/6	CELL-436-451 40X40X6 (1C)	138 TON	STOCKPILED IN LOT 1102			
9/6	CELL-470-473+477 20X18X5 (2C)	49.65 TON	LOT 2682 STOCKPILE POSSIBLE RCRA/TSCA			
9/7	CELL-470-473+477 20X18X5 (2C)	17.35 TON	LOT 2682 STOCKPILE POSSIBLE RCRA/TSCA			
9/7	CELL-436-451 RETAINING WALL HEAVY DEBRIS 40X40X6 (1C)	115 TO	STOCKPILE IN LOT 1102			
9/7	RAILCAR PW30008	89.60 TON				
	RAILCAR PW30009	89.40 TON				

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/10/2018

AEI Consultants

Weather: Cloudy, then rain

Daily Precipitation: 0.91 Temp: 65-53 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	1	H&S/QA Officer	SES
	4	Operators	SES
	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	___	
	___	
	___	
	13	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel:	
Aaron Ting	1
Joe Drebaum	1
Robert Medaglio	1
Evan Herring	1
Josh Klement	1

Visitors On Site: N/A

MAJOR EQUIPMENT:

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

SES continued removingsoils at the following stake locations:
- 436 - 451 (Type 1C; 6' depth); encountered numerous concrete structures, i.e., foundation walls and slabs. Using hoe ram to remove concrete above target depth.

SES assisted AEI with collection of post excavation samples in the deeper excavations. In the afternoon, SES/AEI revisited excavations to redig areas with PCB concentrations above the soil cleanup criteria.

Approximately, 167 cy of Type 1C soils and 19 cy of Type 2B (reexcavated) soils were excavated and transported to either 2682 for temporary stockpiling and future rail transport or to the temporary stockpile area on Lot 1102. Both stockpile areas are underlain by 20-mil HDPE and surrounded by haybales.

AEI set up and calibrated perimeter dust monitors. Two dust alerts were noted on the southeastern side of the site. The work being conducted in the area was not generating dust. AEI inspected the monitor and determined the unit required a recalibration. After recalibration, no further issues noted.

SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

A large amount of perched water was observed in the Type 1C excavation. SES discussed with AEI. AEI informed SES that the water must be stored and tested prior to off-site transport. No discharge from one excavation to another is allowed on the site.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

'RATEGIC ENVIRONMENTAL SERVICES, INC.
2 Putnam Hill Road
tton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/10/18

Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact: AARON AFEI

PROJECTS NOTES MOB TO SITE. H&S TAILGATE - SET UP LAY DOWN AREA FOR C.I CELL 436/440 EXCAVATE + HAMMER APPX 276 TONS OF MATERIAL JOHN FINISH SAMPLING AND START TO REDIG SMALL AREAS IN CELLS 321/324, 325/328, 329/332, 335/338 AND 460/457 APPX 30 TONS DECON SKID STEER AND BRING ACROSS ST PUSH PILE BACK AND COVER + SECURE COVER + SECURE IC STOCK PILE AS WELL MOB BACK TO SHOP

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROSE	FS/OP	5:30	6:30	15:00	16:00
D BERGERON	OP				
K SWEENEY	OP				
J SZPILA	OP				
C MCCARTHY	FT				
M. JAMES	FT				
J HEFNER	OP	+			+

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320 SES
1	CAT 321 Hillview
1	CAT 966H Hillview
1	Roll off Truck SES
1	320 w Hammer Hillview
1	Rock Truck Hillview
1	GEN
20	CHICKEN BOOTS
3	Roll 20 mil poly
1	Roll 6 mil poly
1	Rest Room + Hand sink
300'	Fire Hose
10	White Tyvek

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

RI 9/10/18)	**DAILY SAFE WORK FORM No._**	**SES, Sutton, MA (Page __ of __)**

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9/10/18 0830		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: BRIAN ROSE	
Contact phone # (508) 326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/10/18	KEVIN SWEENEY	SES	KS
9/10/18	MIKE JAMROS	SES	MJ
9/10/18	Evan Harmon	AEI	EAH
9/10/18	Robert Medaglio	AEI	RM
9/10/18	Joshua Klement	AEI	JAK
9/10/18	Charles McCarthy II	SES	CM
9/10/18	Dennis Bergen	SES	DB
9-10-18	Joe Hefner	SES	JH
9/10/18	John Szela	SES	JS
9/10/18	Joseph Dreßaum	AEI	JD
9/10/18	Aaron Tims	AEI	ACT
9/10/18	BRIAN ROSE	SES	BR
~~9/10/18~~			
09/10/2018	Tom Dykens	SES	T.D.

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☐	Roll-off containers
☑	Loader	☑	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 9/10/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: Brian Poe		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☑	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/~~ISCO/Dewatering/Liquid Management~~
☐	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☑	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☐	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date ( )	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☐	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☑	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☑	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/10/18	Mike JAMROS	SES	0630	1500
9/10/18	KEVIN SWEENEY	SES	0630	1500
9/10/18	Joe Hefter	SES	0630	1500
9/10/18	Dennis Bergeron	SES	0630	1500
9/10/18	Evan Harring	AEI	0630	1440
9/10/18	Robert Medaglia	AEI	0630	1518
9/10/18	John Szpila	SES	0630	1500
9/10/18	Joseph Dreburn	AEI	0630	~~1500~~ 15:15
9/10/18	Aaron Ting	AEI	0630	1545
9/10/18	JOshua Klement	AEI	06:40	15:15
9/10/18	Charles McCarthy	SES	06:32	1500
9/10/18	B RR	SES	6:30	15:00
09/10/18	Tom Dykstra	SES	10:00	1400

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/11/2018

AEI Consultants

Weather: Cloudy, sunny and humid in afternoon

Daily Precipitation: <0.25"

Temp: 83-69 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	1	H&S/QA Officer	SES
	4	Operators	SES
	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	2	New England Geotech
	___	
	___	
	16	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel:	
Aaron Ting	1
Joe Drebaum	1
Robert Medaglio	1
Evan Herring	1
Josh Klement	1
Rick Kowalski	1

Visitors On Site: N/A

MAJOR EQUIPMENT:

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator

EQUIPMENT/MATERIALS RECEIVED:

2-100 yd rail cars transported offsite and 2-new delivered

WORK COMPLETED:

SES/AEI revisited excavations to redig areas with PCB concentrations above the soil cleanup criteria. AEI collected samples for laboratory and Dexsil analysis.

Approximately, 32.5 cy of Type 2B (reexcavated) soils were excavated and transported to Lot 2682 for temporary stockpiling and future rail transport.

Two railcars PW-30008 and PW-30009 were transported off-site by P&W railroad. SES lined two new railcars, PW-20008 and PW-30016, and loaded each with Type 2B soils for transport to WM Emelle.

AEI set up and calibrated perimeter dust monitors. No dust alerts were observed. SES used water as needed to control fugitive dust emissions.

SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the Type 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

AEI conducted a soil erosion and sediment control plan inspection. Issues noted were corrected by SES. See attached inspection report and corrective action log.

SES setup frac tank in preparation to dewater Type 1C excavation. SES to observe water level tomorrow in the excavation and see if dewatering is needed.

New England Geotech closed 18 wells in accordance with RI standards. The wells are as follows: MW-20S, MW-10S, MW-10D, P-13D, P-38S, P-3S, P-37S, P-32D, P-32S, P-001S, P-36S, PW-130, P-35S, P-33D, P-33S, RC-2, P-34S, P-5S.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
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Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/11/18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact: AARON

PROJECTS NOTES: MOB TO SITE TAILGATE TAIL. SET UP ~~FRAC~~ TANK BOT DID NOT PUMP WATER YET SET UP DIG IN (2) CELL LOCATIONS (53.7) TONS. KEVIN WITH 320 PULLED WELLS WITH NEW ENGLAND GEOTECH PULLED 90° OF WELLS. RAIN CAPS SHORED @ NOON DECON CAT 321 + LOADER FILLED BOTH CAPS COVER PILE SECURE SITE mob BACK TO SHOP

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
ROFE	FS	5:30	6:30	15:30	16:30
D BERGIERON	OP				
K SWEENEY	OP				
J SZPILA	OP				
C MC CARTHY	FT				
M. JAMROS	FT	↓	↓	↓	↓
J HEFNER	FT/OP	8:30	9:30	15:30	16:30

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320
1	CAT 321
1	CAT 966
1	CAT 322 W HAMMER
1	ROCK TRUCK
1	GEN
20	CHICK BOOTS
1	REST ROOM + SINK
300'	FIRE HOSE
10	WHITE TYVEK
3	ROLL TAPE

WEATHER OBSERVATIONS

Project Manager's Signature:

Client's Signature:

9/11/18) RI	**DAILY SAFE WORK FORM No._**	**SES, Sutton, MA (Page __ of __)**

Servicing or Maintenance Work Description	
Description of Work: CMI Implementation Project	
Start Date / Time: (Date) (Time) 9/11/18 0630	
Location of Work	180 Mill Street, Cranston, RI

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: Brian Pike	
Contact phone # 508/ 326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/11/18	B Pike	SEI	
9/11/18	Charles McCarthy	SES	CM
9/11/18	Danny Bergeron	SES	
9/11/18	John Sofia	SES	JS
9/11/18	Mike Jarvis	SES	
9/11/18	Robert Medeiros	AEI	
9/11/18	Aaron Tims	AEI	AT
9/11/18	Joseph Peterson	AEI	
9/11/18	Ejona Harrity	AEI	EAH
9/11/18	Joshua Clemens	AEI	JGK
9/11/18	Kevin Sweeney	SES	
9/11/18	Richard Conrad Sr.	AEI	
9/11/18	Jon Hefner	SES	
9-11-18	Tom Dykstra	SES	T.D.
09/11/2018			

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
Jayson Henderson	N.E. Geotech	09/11/2018	
Joseph Kennedy	NE Geotech	9/11/2018	
Jim Zay	Thielsch Engineering	9/11/2018	

Project: BASF Facility Cranston, RI Date (9/11)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (9/11)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☐	Roll-off containers
☑	Loader	☑	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☑	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/11)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/11)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☑	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☑	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☐	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9/11)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☑	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☐	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☑	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

SESC Plan Inspection Report

Project Information			
Name	[redacted] Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plat 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name: Joseph Guarnaccia	Phone: 973-245-5269	Email: joseph.guarnaccia@basf.com
Site Operator	Name: Brian Roe	Phone:	Email: broe@strategic.com

Inspection Information			
Inspector Name	Name: Aaron C. Ting	Phone: 978-577-7138	Email: ating@aeiconsultants.com
Inspection Date	9/11/18	Start/End Time	1100-1130

Inspection Type
☐ Weekly ☐ Pre-storm event ☐ During storm event ☑ Post-storm event ☐ Other

Weather Information

Last Rain Event Date: 9/10/18 - 9/11/18 Duration (hrs): 8.95 Approximate Rainfall (in): 0.91

Rain Gauge Location & Source:
onsite weather station (Davis VantagePro)

Weather at time of this Inspection:
Cloudy, 71s

Check statement that applies then sign and date below:

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☑ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Aaron C. Ting		9/11/18

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	BRIAN ROE		9/11/18

PROJECT: Cranston, RI **INSPECTION DATE:** 9/11/18

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☒Yes ☐No ☐ N/A	see photo log	
2	Are appropriate limits of disturbance (LOD) established?	☒Yes ☐No ☐ N/A	↓	
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☒ N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☒ N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☒ N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☒ N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☒ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☒ N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☒ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☒ N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☒ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☒ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	☐Yes ☐No ☒N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	☐Yes ☐No ☒N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	☐Yes ☐No ☒ N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☒Yes ☐No ☐ N/A	see photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☒Yes ☐No ☐ N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	☐Yes ☐No ☒ N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☐No ☒ N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐No ☒N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	☐Yes ☐No ☒ N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	☐Yes ☐No ☒ N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	☐Yes ☐No ☒ N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☒Yes ☐No ☐ N/A		

PROJECT: Cranston, RI **INSPECTION DATE:** 9/11/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	☐Yes ☐No ☒N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	☐Yes ☐No ☒N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☒Yes ☐No ☐ N/A	see photo 105	
e	Soaps or solvents used in vehicle and equipment washing.	☒Yes ☐No ☐ N/A		
f	Toxic or hazardous substances from a spill or other release.	☒Yes ☐No ☐ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☒Yes ☐No ☐ N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	☐Yes ☐No ☒ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☒Yes ☐No ☐ N/A	see photo 105	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☑Yes ☐No ☐ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☒Yes ☐No ☐ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☒Yes ☐No ☐ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☒Yes ☐No ☐ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☒Yes ☐No ☐ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☒Yes ☐No ☐ N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☒Yes ☐No ☐ N/A		
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☒Yes ☐No ☐ N/A		
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☒Yes ☐No ☐ N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☒Yes ☐No ☐ N/A		
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☐Yes ☐No ☒ N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☒Yes ☐No ☐ N/A		
	(Other)			

PROJECT: Cranston, RI **INSPECTION DATE:** 9/11/18

General Field Comments: N/A

PROJECT: Cranston, RI **INSPECTION DATE:** 9/11/18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction site exit includ decon. pad	RIDOT Std Specs. RI Soil erosion and sed. control book	☒Yes ☐No	see photo log	
2	Project-wide including material stockpiles	Perimeter - compost filter socks (RIDOT 9.2.0, Stockpiles_hay/bales RIDOT std spec - 204.212	☒Yes ☐No		see corrective action log for issues/corrections.
3	Project-wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Std spec RI SESC Handbook	☒Yes ☐No		
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	☒Yes ☐No		
5	Project-wide	Pickup construction trash/debris	☒Yes ☐No		
6	Project-wide	Spill prevention / Spill containment measures	☒Yes ☐No	↓	
7			☐Yes ☐No		
8			☐Yes ☐No		

Photos:

Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 1102

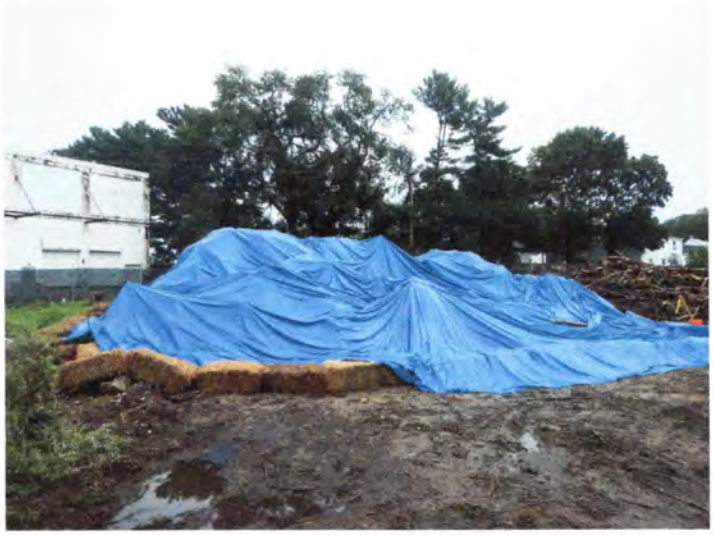
Photo #: 2	Station: North Site
	Description: Temporary stockpiles, covered with poly/tarp and surrounded by haybales.

Photo #: 3	Station: North Site
	Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.

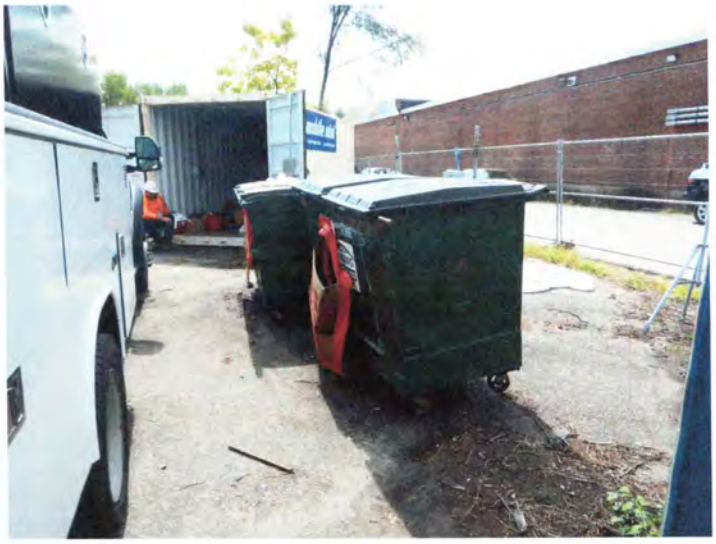
Photo #: 4	Station: North Site
	Description: CFS staked on northern property boundary.

Photo #: 5	Station: South Site
	Description: Staked silt fence on south east side of Site.

Photo #: 6	Station: South Site
	Description: CFS located on south side of Site.

Photo #: 7	Station: South Site
	Description: Fractionation tanks to be used to manage groundwater in excavations.

Photo #: 8	Station: South Site
	Description: Downed silt fence on the southeastern side of the site. Contractor to repair and replace by end of day.

Photo #: 9	Station: South Site
	Description: Trash/recycling receptacles.

PROJECT: Cranston, RI INSPECTION DATE: 9/11/18

Corrective Action Log

TO BE FILLED OUT BY SITE OPERATOR

Describe repair, replacement, and maintenance of control measures, actions taken, date completed, and note the person that completed the work.

	Location/Station	Corrective Action	Date Completed	Person Responsible
	SE Site	Repair/replace silt fence	9/11/18	SES

Operator Signature: Date: 9/14/18

BASF
180 Mill Street, Lot 1102
Cranston, RI

9/11/18	Joe Kennedy	NE Geotech	8:00	3:00
9/11/18	Wayne Mendoza	N.E. Geotech	8:00 am	3:00 pm

Date	Name	Company Name	Time In	Time out
9/11/12	Brian Rath	SES	06:30	15:30
9/11/18	Charles McCarthy IV	SES	06:30	15:30
9/11/18	Dennis Bergen	SES	0630	1530
9/11/18	John Szpila	SES	0630	1530
9/11/18	Mike James	SES	0630	1530
9/11/18	Robert Medeiros	AEI	0630	1300
9/11/18	Aaron Ting	AEI	0630	1600
9/11/18	Joseph Drebaum	AEI	0650	1500
9/11/18	Evan Harvey	AEI	0630	1440
9/11/18	Joshua Klement	AEI	06:30	15:17
9/11/18	Kevin Sweeney	SES	0800	1530
9/11/18	Rick Kowalski	AEI	0805	0910
9/11/18	Joe Hefner	SES	0700	1530
9/11/2018	Tom Dykstra	SE	1000	1105

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/12/2018

AEI Consultants

Weather: Cloudy

Daily Precipitation: 0.5"

Temp: 73-65 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	1	Superintendent	SES
	1	Foremen	SES
	1	H&S/QA Officer	SES
	3	Operators	SES
	2	Laborers	SES
		Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	2	New England Geotech
	13	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting 1
Evan Herring 1
Robert Medaglio 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

SES/AEI revisited excavations to redig areas with PCB concentrations above the soil cleanup criteria. AEI collected samples for laboratory and Dexsil analysis.

Approximately, 14 cy of Type 2B (reexcavated) soils were excavated and transported to Lot 2682 for temporary stockpiling and future rail transport. ACT 9/12/18 ZE

AEI set up and calibrated perimeter dust monitors. One dust alerts was observed, but was attributed to rain/humidity. The unit was rezeroed and no further issues were noted. Heavy rain, so no need to utilize water to control fugitive dust emissions.

SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the Type 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

New England Geotech closed 5 wells in accordance with RI standards. The wells are as follows: PW-110, MW-21S, VE-1, VE-2, VE-3. AEI discussed closure of well P-30D, which is in the river and goes through the sediment cap. SG/ACT agreed that NEG should cut well flush with walkway and grout well. Do not remove steel casing or riser. Informed NEG and SES of removal process. NEG will remobilize another day to close this well and another well.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

One SES personnel was sent offsite to receive medical treatment for a bee sting that started swelling. The worker was back on-site the same day without further issue. The next daily safety meeting will discuss bee/insect bites and proper handling of the situation/medical needs. Bee/wasp spray was also purchased as a means to control/eliminate the issue.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/12/[illegible] Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact: Aaron

PROJECTS NOTES MOB TO SITE. TAILGATE TALK + SIGN IN. UNCOVER PILE ACROSS THE STREET AND CLEAN UP DEAN LOADER + 321 AND MOB BACK TO SITE. N.E. GROTELL PULLED (2) WELLS IN CONTAINMENT AREA AND (1) IN E/RON AREA SET UP TO RIG AND CELL II 348-350, 340-343 AND 482-485. CUT DOWN THE REMAINDER OF TREES EXCEPT (1) THAT NEED TO BE CUT BY TREE COMPANY. HEAVY RAIN + LIGHTNING IN AFTERNOON STOP WORK COVER PILE (2B) AND MOB BACK TO SHOP

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROTE	SP/OP	5:30	6:30	15:00	16:00
P BERGERON	OP	5:30			
K SWEENEY	OP	5:30			
C MCCARTHY	FT	6:00			15:30
M. JAMROS	FT	5:30			
J SZPILA	OP	[illegible]			[illegible]

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320 SBS
1	CAT 321
1	CAT 322 W HAM Hillsboro
1	CAT SKID TRACK
1	ROCK TRUCK
1	GEN
300'	FIRE HOSE
1	REST ROOM + SINK
10	WHITE TYVEK
1	CAT 966 LOADER Hillsboro

SUBCONTRACTORS

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9/12/18 06:30		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: Brian Rafe	
Contact phone # (508) 326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/12/2018	Dennis Bergeron	SES	DB
9/12/18	Mike Tamaro	SES	MT
9/12/18	Aaron Tine	AEI	AT
9/12/18	Robert Medeiros	AEI	RM
9/12/18	Charles McCarthy III	SES	CM III
9/12/18	Kevin Sweeney	SES	KS
9/12/18	John Sapienza	SES	JS
9/12/18	Brian Rafe	SES	BR
9/12/18	Evan Harvey	AEI	EAH
9/12/18	Meynor Mendoza	N.E. Geotech	M.M.
9/12/18	Joseph Kenney	NE Geotech	JK
9/12/18	Paul Sweeney	SES	PS
09/12/2018	Tom Dykas	SES	T.D.
~~9/12/2018~~	~~Evan Harvey~~	~~AEI~~	~~EAH~~

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (9/12/)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (9/12)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☑	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☐	Frac Tank	☐	Sump Pump
☐	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/12)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
	NA	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/12)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
PRE-TASK PLAN (PTP)	SES SUPERVISOR: Brian Poe		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☒	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☑	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☑	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☐	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☑	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9/12)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☐	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☐	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☑	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☑	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☐	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/12	Dennis Bergeron	SES	0630	15??
9/12	Mike James	SES	0630	1500
9/12/18	Aaron Ting	AEI	0630	1530
9/12/18	Robert Medyllis	AEI	0630	1510
9/12/18	Charles F. McCarthy III	SES	0634	[illegible]
9/12/18	Kevin Sweeney	SES	0635	1215
9/12/18	John Sepia	SES	0630	[illegible]
9/12/18	Blair Rose	SES	0630	1500
9/12/18	Evan Hanratty	Aei	0630	1400
9/12/18	Alfynor Mendoza	NE Geotech	8:10 am.	11:30 am
9/12/18	Joseph Kennedy	NE Geotech	8:15 am	11:30 am
9/12/18	Paul Sasseville	SES	12:30p	12:45
9/12/18	Kevin Sweeney	SES	1315	1500
09/12/2018	Tom Dykema	SES	1400	1410

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/13/2018

AEI Consultants

Weather: Cloudy

Daily Precipitation: 0.5"

Temp: 73-65 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	___	Superintendent	
	1	Foremen	SES
	___	H&S/QA Officer	
	3	Operators	SES
	2	Laborers	SES
	___	Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	1	Diprete
	___	
	___	
	11	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel:
- Aaron Ting 1
- Evan Herring 1
- Robert Medaglio 1
- Joe Drebaum 1

Visitors On Site: N/A

MAJOR EQUIPMENT:

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator

EQUIPMENT/MATERIALS RECEIVED:

WORK COMPLETED:

SES/AEI revisited excavations to redig areas with PCB concentrations above the soil cleanup criteria. AEI collected samples for laboratory and Dexsil analysis.

Diprete surveyor onsite to survey excavations, topography and other site features.

SES consolidated the Lot 2630 soil stockpile. Continued grubbing tree stumps and clearing trees. Cleared trees were added to on-site wood stockpile and then loaded into 70-cy dump trailer. Material transported offsite to G. Lopes facility in Raynham, MA.

Cast iron piping and other metal debris removed from excavations was reduced in size by hoe ram.

AEI conducted a soil erosion and sediment control plan inspection. Issues noted were informed to SES and corrected same day.

Approximately, 16 cy of Type 2B (reexcavated) soils were excavated and transported to Lot 2682 for temporary stockpiling and future rail transport.

AEI set up and calibrated perimeter dust monitors. No alerts were observed. SES used water as necessary to control fugitive dust.

SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the Type 2B soils on Lot 2682 and the 1C soils stockpiled on Lot 1102 due to the rebar and other debris puncturing the 6-mil poly.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of ~~SES's HASP.~~"

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/13/18 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST
CRANSTON RI

Contact: Aaron

PROJECTS NOTES mob TO SITE TAILGATE TALK SET UP TO FINISH 2ND ROUND 2B SAMPLES. CUT TREES OFF STUMPS LOAD OUT (1) 20 YD TRAILER OF BRUSH BACK 2 LOADS OF STUMPS ACROSS STREET START POLICE AREA FOR STUMP AND MISC METAL WHILE I GET SECURE SITE mob BACK TO SHOP

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROE	FS	5:30	6:30	15:00	16:00
M. JAMROS	FT	5:30	↓	↓	16,00
K. SWEENEY	OP	5:30			16,00
D. BERGERON	OP	5:30			16,00
C. MCCARTHY	FT	6:00			15:30
J SZPILA	OP	5:30	↓	↓	16.00

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320 EX SBS
1	CAT 321 EX
1	CAT 966 LOADER
1	CAT SKID TRACK
1	ROLL TRACK
2	GEN
300	
1	322 CAT EX
1	Hammer
2	100yd railcars
1	20yd dump trailer
1	20yd recycling container
2	trash/recycle containers
1	frac tank

Hillwind

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9/13/18 0630		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: Brian Doe	
Contact phone #	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/13	Brian Doe	SES	BD
9/13	Dennis Bergeron	SES	DB
9/13/18	Mike Jamros	SES	MJ
9/13/18	John Szpila	SES	JS
9/13/18	Aaron Tims	AEI	AT
9/13/18	Robert Metayka	AEI	RM
9/13/18	Kevin Sweeney	SES	KS
9/13/18	Charles McCarthy CC	SES	CM
9/13/18	Joseph Marchetti	AEI	
9/13/18	Evan Hamlin	AEI	EAH
9/13/18	Ray Guglielmo	Discrete Eng	RG
9/14/18	John Szpila	SES	JS
9/14/18	Paul Sroka	SES	PS

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
Tim Caldwell	N.E.T.	9-13-18	
Tyler Stolk	MJ Meehan	9-13-18	

Project: BASF Facility Cranston, RI Date (9/13)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (7/13)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☐	Dump Truck/Triaxle
☐	Track Dozer	☑	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/13)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	**See SES HASP**
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	**See SES HASP**
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM		YES	NO	Item
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic			X	Rain Suit ☐ Jacket ☐ Pants
X		Safety Glasses, ANZI-rated, side shields			X	Chemical Suit ☐ Jacket ☐ Pants
	X	Goggles ☐ Chemical ☐ Dust			X	Personal Fall Protection Equipment
	X	Faceshield		X		Gloves ☒ Chemical ☐ Work
X		Hearing Protection ☒ Plugs ☐ Muffs		X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator ☐ Half-mask ☐ Full-face		X		Boots ☐ Rubber ☒ Other
	X	Dust Mask			X	Welding Protection
	X	Fire Retardant Electrical Clothing			X	Retrieval System for Confined Spaces
X		Eyewash Station		X		Mobile phone or radios
X		Tyvek Suits		X		Insect repellent, sunscreen
		Other PPE (list)		X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	N/A	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/13)	DAILY SAFE WORK FORM	SES (Page __ of __)

STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 9/13
PRE-TASK PLAN (PTP)	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
☐	Task 1 - Permitting
☐	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
☒	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
☐	Task 4 – Transportation and Disposal of Contaminated Material
☐	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
☐	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
☐	3	Chemical Hazards	NA☐ Low☐ Medium☒ High☐	B1 Chemical: JSA 10
☑	3,4,5	Dust/Fumes/Particulates	NA☐ Low☐ Medium☒ High☐	B2 Dust: JSAs 1,2,4,5,6
☐	3,4,5,6	Job Zone Control	NA☐ Low☐ Medium☒ High☐	B3 Job Zone Control; All JSAs
☐	3,4,5,6	Heat	NA☐ Low☐ Medium☒ High☐	B4 Heat: All JSAs
☐	3,4,5,6	Cold	NA☐ Low☐ Medium☒ High☐	B5 Cold; All JSAs
☐	1,3,4,5,6	Severe Weather	NA☐ Low☐ Medium☒ High☐	B6 Severe Weather: All JSAs
☑	3,4,5,6	Walking/Working Surfaces	NA☐ Low☐ Medium☒ High☐	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
☑	4,5,6	Noise	NA☐ Low☐ Medium☒ High☐	B8 Noise: All JSA's
☐	5,6	Live Electrical Equipment	NA☐ Low☒ Medium☐ High☐	B14 Live Electrical Equip: JSA 5,6,9
☐	4,5	Poor Lighting	NA☐ Low☒ Medium☐ High☐	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
☐	4,5,6	Overhead Hazards	NA☐ Low☒ Medium☐ High☐	B15 Overhead Hazards: JSA 2,5,6
☐	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA☐ Low☐ Medium☒ High☐	B17 Traffic Management: All JSA
☑	5,6	Heavy machinery/drill rigs	NA☐ Low☐ Medium☒ High☐	B18 Heavy Machinery: JSA 4,5
☐	5,6	Trenching/Excavation	NA☒ Low☐ Medium☒ High☐	B19 Trenching/Excavation:JSA 4,5,6,8
☑	1,3,4,5,6	Vehicle use	NA☐ Low☒ Medium☐ High☐	B20 Vehicle Use: All JSA
☐	2,3	Work near/on water	NA☒ Low☐ Medium☐ High☐	B21 Work Near/On Water: JSA 1
☐	4,5	Elevated heights (<4ft)	NA☐ Low☒ Medium☐ High☐	B22 Working from Heights (<4 feet)

Project: BASF Facility Cranston, RI Date (9/13)	DAILY SAFE WORK FORM	SES (Page __ of __)

☐	4,5	Elevated heights (>4ft)	NA☐ Low☒ Medium☐ High☐	B23 Working from Heights (>4 feet)
☐	5,6	Overhead/underground utilities	NA☐ Low☐ Medium☒ High☐	B24 Overhead/Underground Utilities: JSA 1,3,4
☑	4,5,6	Powered hand tools	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Electrically powered equipment	NA☐ Low☒ Medium☐ High☐	B25 Electrically Powered Equipment and Tools: JSA 9
☐	4,5,6	Cutting devices/tools	NA☐ Low☐ Medium☒ High☐	B26 Cutting Devices/Tools; JSA 9
☐	4,5	Drums, cylinders, containers	NA☐ Low☒ Medium☐ High☐	B1 Chemical: JSA 4
☐	3,4,5,6	Material handling, ergonomics	NA☐ Low☐ Medium☒ High☐	B29 Material Handling/Ergonomics: JSA 2,6,7,9
☐	3,5,6	Poisonous/irritating plants	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals: All JSAs
☐	4,5,6	Insects/rodents/snakes	NA☐ Low☒ Medium☐ High☐	B32 Plants and Animals; All JSAs
☑	3,5,6	Ticks, mosquitos	NA☐ Low☒ Medium☐ High☐	B32 Poisonous Plants, Animals, and Insects; All JSA
☑	1,3,4,5,6	Employees working early/late	NA☐ Low☒ Medium☐ High☐	B34 Personal Safety; All JSAs
☐	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

SESC Plan Inspection Report

Project Information

Name	[redacted] Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plat 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name: Joseph Guarnaccia	Phone: 973-245-5269	Email: joseph.guarnaccia@basf.com
Site Operator	Name: Brian Roe	Phone: –	Email: broe@strategic.com

Inspection Information

Inspector Name	Name: Aaron C. Ting	Phone: 978-577-7138	Email: ating@aeiconsultants.com
Inspection Date	9/13/18	Start/End Time	1200-1230

Inspection Type
☐ Weekly ☐ Pre-storm event ☐ During storm event ☒ Post-storm event ☐ Other

Weather Information

Last Rain Event
Date: 9/11-9/12/18 Duration (hrs): 8 Approximate Rainfall (in): 0.5"

Rain Gauge Location & Source:
onsite weather station (Davis VantagePro)

Weather at time of this Inspection:
Cloudy, 68°F

Check statement that applies then sign and date below:

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

	Print Name	Signature	Date
Inspector:	Aaron C. Ting		9/13/18

The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.

	Print Name	Signature	Date
Operator:	Brian Roe		9/13/18

PROJECT: Cranston, RI **INSPECTION DATE:** 9/13/18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.
FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction site exit includ decon. pad	RIDOT Std Specs. RI Soil erosion and sed. control book	☒Yes ☐No	see photo log	
2	Project-wide including material stockpiles	Perimeter - compost filter socks (RIDOT 9.12.0 Stockpiles_hay/bales RIDOT Std Spec - 2014, 212	☒Yes ☐No		some woody debris covering CFS. See corrective action log -
3	Project-wide including material stockpiles	RI SESC Handbook Water for dust control/cover stockpiles RIDOT Std Spec RI SESC Handbook	☒Yes ☐No		
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	☒Yes ☐No		
5	Project-wide	Pickup construction trash/debris	☒Yes ☐No		
6	Project-wide	Spill prevention / Spill containment measures	☒Yes ☐No		
7			☐Yes ☐No		
8			☐Yes ☐No		

General Site Issues

*Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.*

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	☒Yes ☐No ☐ N/A	See photo log	
2	Are appropriate limits of disturbance (LOD) established?	☒Yes ☐No ☐ N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	☐Yes ☐No ☒N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	☐Yes ☐No ☒ N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	☐Yes ☐No ☒N/A		
6	Were all exposed soils seeded by October 15th?	☐Yes ☐No ☒N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	☐Yes ☐No ☒ N/A		
8	In instances where adequate vegetative stabilization was not established by November 15th, have non-vegetative erosion control measures must be employed?	☐Yes ☐No ☒N/A		
9	If work is to continue from October 15th through April 15th, are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	☐Yes ☐No ☒ N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	☐Yes ☐No ☒ N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	☐Yes ☐No ☒ N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	☐Yes ☐No ☒ N/A		

PROJECT: Cranston, RI **INSPECTION DATE:** 9/13/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	☐Yes ☐No ☒N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	☐Yes ☐No ☒N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	☐Yes ☐No ☒N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	☒Yes ☐No ☐N/A	see photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the *RI SESC Handbook*?	☒Yes ☐No ☐N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	☐Yes ☐No ☒N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	☐Yes ☐No ☒N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	☐Yes ☐No ☒N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	☐Yes ☐No ☒N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	☐Yes ☐No ☒N/A		
23	Are all chemicals being managed in accordance with Appendix J of the *RISESC Handbook* and current best management practices?	☐Yes ☐No ☒N/A		
24	Has the site operator taken steps to **prohibit** the following pollutant discharges on the site?			
a	Contaminated groundwater.	☒Yes ☐No ☐N/A		

PROJECT: Cranston, RI INSPECTION DATE: 9/13/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	☐Yes ☐No ☒ N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	☐Yes ☐No ☒ N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	☒Yes ☐No ☐ N/A	see photo log	
e	Soaps or solvents used in vehicle and equipment washing.	☒Yes ☐No ☐ N/A		
f	Toxic or hazardous substances from a spill or other release.	☒Yes ☐No ☐ N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	☒Yes ☐No ☐ N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	☐Yes ☐No ☒ N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	☒Yes ☐No ☐ N/A	see photo log	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	☒Yes ☐No ☐ N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	☒Yes ☐No ☐ N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	☒Yes ☐No ☐ N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	☒Yes ☐No ☐ N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	☒Yes ☐No ☐ N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	☒Yes ☐No ☐ N/A		

PROJECT: Cranston, RI **INSPECTION DATE:** 9/13/18

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	☒Yes ☐No ☐ N/A	see photo log	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	☐Yes ☐No ☒ N/A		
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	☒Yes ☐No ☐ N/A	see photo log	
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	☒Yes ☐No ☐ N/A		
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	☒Yes ☐No ☐ N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	☒Yes ☐No ☐ N/A		
	(Other)			

CONTINUED ON NEXT...

PROJECT: Cranston, RI **INSPECTION DATE:** 9/13/18

General Field Comments: N/A

Corrective Action Log

TO BE FILLED OUT BY SITE OPERATOR

Describe repair, replacement, and maintenance of control measures, actions taken, date completed, and note the person that completed the work.

	Location/Station	Corrective Action	Date Completed	Person Responsible
	E-Site	Woody debris covering CFS. Needs removal	9/13/18	SES

Operator Signature: Date: 9/13/18

Photos:

Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 1102

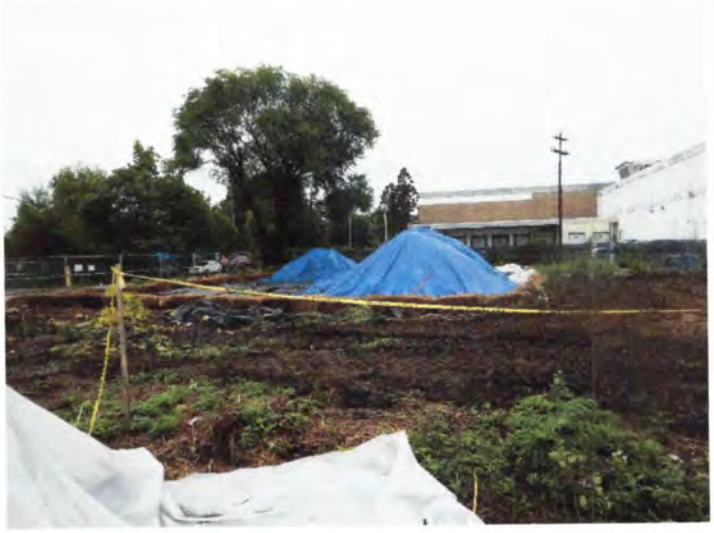
Photo #: 2	Station: North Site
	Description: Temporary stockpiles, covered with poly/tarp and surrounded by haybales.

Photo #: 3	Station: North Site
	Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.

Photo #: 4	Station: North Site
	Description: CFS staked on northern property boundary.

Photo #: 5	Station: South Site
	Description: Staked silt fence on south east side of Site.

Photo #: 6	Station: South Site
	Description: CFS located on south side of Site.

Photo #: 7	Station: South Site
	Description: Fractionation tanks to be used to manage groundwater in excavations.

Photo #: 8	Station: East Site
	Description: CFS covered by woody debris from clearing operations. Requires removal.

Photo #: 9	Station: South Site
	Description: Trash/recycling receptacles.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/13/18	[illegible]	SES	[illegible]	15:00
9/13/18	Dennis Bergeron	SES	0630	1500
9/13/18	Mike Jamros	SES	0630	1500
9/13/18	John Spina	SES	0630	1500
9/13/18	Aaron Ting	AEI	0630	1530
9/13/18	Robert Mongillo	AEI	0630	1500
9/13/18	Kevin Sweeney	SES	0630	1500
9/13/18	Charles McCarthy II	SES	0630	1500
9/13/18	Joseph Hrebenak	AEI	0630	15,00
9/13/18	Evan Harnby	AEI	0640	1430
9/13/18	Ray Guglielmo	D'Prete Eng	7:30	8:40

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 9/14/2018

AEI Consultants

Weather: Cloudy

Daily Precipitation: 0"

Temp: 76-61 (Hi - low)

PERSONNEL/EQUIPMENT

Contractor	No.		
	1	Superintendent	SES
	1	Foremen	SES
		H&S/QA Officer	
	3	Operators	SES
	2	Laborers	SES
		Other Trades (Surveyor)	

SubContractor	No.	Company/Firm
	11	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel:	
Aaron Ting	1
Evan Herring	1
Robert Medaglio	1
Rick Kowalski	1

Visitors On Site: N/A

MAJOR EQUIPMENT: **EQUIPMENT/MATERIALS RECEIVED:**

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank, CAT 725 Rock truck, 320 excavator

WORK COMPLETED:

SES decon rock truck, 321 excavator and 322 excavator with hoe ram attachment. Sent wipe samples to laboratory. The three pieces of equipment, pending wipe sample results, are expected to be demobilized from the site next Tuesday/Wednesday.

SES/AEI conducted weekly project progress meeting. Minutes will be distributed by AEI to the project team next week.

SES continued clearing trees and grubbing stumps. Stumps were transported across the street to Lot 2682 and mixed with the soil being disposed offsite at the WM Emelle facility in Emelle, AL. Trees were stockpiled on-site for later transport offsite to the G. Lopes facility in Raynham, MA.

AEI conducted site housekeeping and inventory of supplies. Obtained safety placards for fence line indicating PPE requirements.

SES continued excavation of stake location: 436-451 (Type 1C; 6' depth). Concrete and other construction demolition debris were removed with the soil and stockpiled in the Type 1C laydown area. Approximately ~~1 cy~~ 7.6 CY of Type 1C soils were added to the temporary stockpile on Lot 1102. 4.0 ACT 9/14/18 RE

Lined and loaded three new railcars PW-20003, PW-20027, PW-30001 with Type 2B soils (~90 ton each). The two railcars PW-20006 and PW-30016 were transported offsite by P&W.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A

STRATEGIC ENVIRONMENTAL SERVICES, INC.
362 Putnam Hill Road
Sutton, Massachusetts 01590
Office: (508) 757.7782
Fax: (508) 363.2346
www.strategic-es.com

STRATEGIC ENVIRONMENTAL SERVICES

DAILY WORKSHEET

Date: 9/14/12 Project Number: 18-0315

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St
CRANSTON RI

Contact: Aaron

PROJECTS NOTES Mob TO SITE TAILGATE TALK. SET UP TO DECON CAT 321, CAT 322 W Hammer And CAT ROCK TRUCK LOAD 3 RAIL CARS DW 20003 DW 20027 3 DW 30001. FINISH PULLING STUMP AN PLACE ACROSS THE STREET DIG 7.6 YDS OUT OF IC AREA SECURE SITE mob back TO SITE

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B. ROE	FS	530	630	14:00	15:00
M. JAMROS	FT				
D. BERGERON	OP				
K. SWEENEY	OP				
A HAYNES	FT				
J SZPILKA	OP		8:30		

SUBCONTRACTORS

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level : A B C D
1	CAT 320 SBS
1	CAT 321
1	CAT 320
1	CAT 322 W Hammer Hillwood
1	CAT TRACK SKID
2	GEN
1	ROLL OFF SES
2	2040 ROLL OFF CON
2	FRAC TANKS
1	POT TOILET WITH HAND WASH

WEATHER OBSERVATIONS

Project Manager's Signature: _____

Client's Signature: _____

	DAILY SAFE WORK FORM No._	SES, Sutton, MA (Page __ of __)

Servicing or Maintenance Work Description		
Description of Work: CMI Implementation Project		
Start Date / Time: (Date) (Time) 9/14/18 0630		
Location of Work	180 Mill Street, Cranston, RI	

Strategic Environmental Services, Inc. (SES)	
Primary/Lead Company Name: SES	
Contact Person: Brian Rak	
Contact phone # (508) 326-6523	

Health and Safety (H&S) Plan (HASP) Signatures

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required *daily*, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
9/14/18	BRIAN RAK	SES	BR
9/14/18	mike Jamros	SES	MJ
9/14/18	Andrew Hayes	SES	AH
9/14/18	Charles Berger	SES	CB
9/14/18	Robert Medwick	AEI	RM
9/14/18	KEVIN SWEENEY	SES	KA
9/14/18	Evan Hanley	AEI	EAH
9/14/18	Aaron Tins	AEI	ACT
9/14/18	Rizk Iskandar	AEI	RI
9/14/18	Paul Jewett	SES	PJ
9/14/18	John Spirito	SES	JS

Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature

Project: BASF Facility Cranston, RI Date (9/14)	DAILY SAFE WORK FORM	SES (Page __ of __)

Project: BASF Facility Cranston, RI Date (9/21)	DAILY SAFE WORK FORM	SES (Page __ of __)

Type of Equipment/Vehicles/Motorized Equipment			
☑	Field Service Trailer	☑	Roll-off Tractor Truck
☑	Excavators	☑	Roll-off containers
☑	Loader	☑	Dump Truck/Triaxle
☐	Track Dozer	☐	Dump Trailers
☑	Skid Steer Loader	☑	Pickup Utility Trucks
☑	Frac Tank	☐	Sump Pump
☑	Generator	☐	Trench Box
☐	Water Buffalo	☐	NaOH Storage Tank
☐	Sawzail	☐	Other (list)

This work also requires the use of the permits or documents checked below
☒ PROJECT-SPECIFIC HASP
☐ LOCK-OUT, TAG-OUT PERMIT
☒ PRE-TASK PLANNING FORM
☐ CONFINED SPACE ENTRY PERMIT
☐ OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	**See SES HASP**
X		MSDS review / includes any 'new' chemicals	**MSDS Sheets Provided in HASP**
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	**See SES HASP**
X		Heavy Powered Mobile Equipment Use	**Excavators to load soil into trucks, truck traffic**
	X	Language / Communication Difficulties	
X		Materials to be used	**See Pre-Task Plan**
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	**See SES HASP**
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	**PCB/VOC-contaminated soils; Sodium Persulfate**

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	**To be developed on site with SES work crew**
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	**See SES HASP**
X		Emergency Plans / Emergency Responder	**See SES HASP**
	X	Fall protection	
X		First Aid / Medical Treatment provisions	**See SES HASP**
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Cranston, RI Date (9/14)	DAILY SAFE WORK FORM	SES (Page __ of __)

	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

☐ PPE GRID ☒ MSDS ☐ BASF Knowledge ☐ Work Provider Knowledge ☐ Prior SWP

YES	NO	ITEM
X		Hardhat (**either**) ☐ Fiberglass ☒ Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles ☐ Chemical ☐ Dust
	X	Faceshield
X		Hearing Protection ☒ Plugs ☐ Muffs
	X	Respirator ☐ Half-mask ☐ Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit ☐ Jacket ☐ Pants
	X	Chemical Suit ☐ Jacket ☐ Pants
	X	Personal Fall Protection Equipment
X		Gloves ☒ Chemical ☐ Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots ☐ Rubber ☒ Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	NA	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –